

**Jméno, příjmení, titul žadatele:**

**Name, surname, title:**

Lukáš Kramárik, Ing.

**Seznam publikovaných prací:**

**List of publications:**

**Související s DP:**

**Related to the dissertation:**

- J. Bielčík, K. Hladká, L. Kramárik and V. Kůs, *Machine learning classification for  $D^0$  meson signal extraction in  $d+Au$  collisions*, JINST 17 (2022) 02, P02017.
- L. Kramárik, for the STAR Collaboration, *Reconstruction of  $D^0$  meson in  $d+Au$  collisions at 200 GeV by the STAR experiment*, Phys.Scripta 95 (2020) 7, 074010.
- L. Kramárik, for the STAR Collaboration, *Measurements of open heavy-flavor hadrons in  $Au+Au$  collisions at 200 GeV with the STAR experiment*, PoS ICHEP2020 (2021) 546.
- L. Kramárik, for the STAR Collaboration, *Measurements of charm meson production in  $p+p$ ,  $p+Au$  and  $Au+Au$  collisions by the STAR experiment*, PoS EPS-HEP2017 (2017) 650.
- STAR collaboration, *Measurement of electrons from open heavy-flavor hadron decays in  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV with the STAR detector*, JHEP 06 (2023) 176.
- STAR collaboration, *Evidence of Mass Ordering of Charm and Bottom Quark Energy Loss in  $Au+Au$  Collisions at RHIC*, Eur.Phys.J.C 82 (2022) 12, 1150, Eur.Phys.J.C 83 (2023) 6, 455 (erratum).

- STAR collaboration, *Measurement of inclusive electrons from open heavy-flavor hadron decays in p+p collisions at  $\sqrt{s}=200$  GeV with the STAR detector*, Phys.Rev.D 105 (2022) 3, 032007.
- STAR collaboration, *Measurement of cold nuclear matter effects for inclusive  $J/\psi$  in p+Au collisions at  $\sqrt{s_{NN}}=200$  GeV*, Phys.Lett.B 825 (2022) 136865.
- STAR collaboration, *Observation of  $D_s^\pm/D^0$  Enhancement in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV*, Phys.Rev.Lett. 127 (2021) 092301.
- STAR collaboration, *First Measurement of  $\Lambda_c$  Baryon Production in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV*, Phys.Rev.Lett. 124 (2020) 17, 172301..
- STAR collaboration, *First Observation of the Directed Flow of  $D^0$  and  $\bar{D}^0$  in Au +Au Collisions at  $\sqrt{s_{NN}}=200$  GeV*, Phys.Rev.Lett. 123 (2019) 16, 162301
- STAR collaboration, *Centrality and transverse momentum dependence of  $D^0$  meson production at mid-rapidity in Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV*, Phys.Rev.C 99 (2019) 3, 034908.

**Nesouvisející s DP:**

**Not related to the dissertation:**

- L. Kramárik, G. Eyyubova, for the ALICE Collaboration, *Performance of the ALICE secondary vertex b-tagging algorithm in p-Pb collisions*, PoS BORMIO2016 (2016) 009.
- L. Kramárik, G. Eyyubova, for the ALICE Collaboration, *Performance of the ALICE secondary vertex b-tagging algorithm*, EPJ Web Conf. 126 (2016) 05004.
- + dalších 73 článkov vydaných kolaboráciou STAR (+73 article published by the STAR collaboration).